

ABSTRACT

The present invention is to provide a radio system that enables effective reuse of a limited number of frequencies without the occurrence of interference between subscriber stations. In the radio system according to the present invention, each base station is divided into two or more sectors, each of which is provided with an antenna different in directivity on a horizontal plane. The antennas are so placed that the antenna beams cover all the directions on the horizontal plane as a whole, and all the antennas using the same frequency and polarized wave are so arranged to face in about the same direction.